



Manual Type 115

Viking W-1000, C-1000B
with Essex 265 controller

For Models

101-VIK	302-VIK
103-VIK	304-E265-VIK
107-VIK	305-E265-VIK
201-VIK	400-E265-VIK
203-VIK	401-E265-VIK
301-VIK	

Specifications

Communication

Viking W-1000 Doorbox uses "half-duplex" communication, allowing for high speaker and microphone volume, without the possibility of feedback

Access Control

Essex "stand-alone" 5 button keypad
1 relay
5-6 users
16.5 VAC power supply included

INSTALLATION INSTRUCTIONS

501 E. Goetz Ave.
Santa Ana, Ca 92707

www.eholovision.com

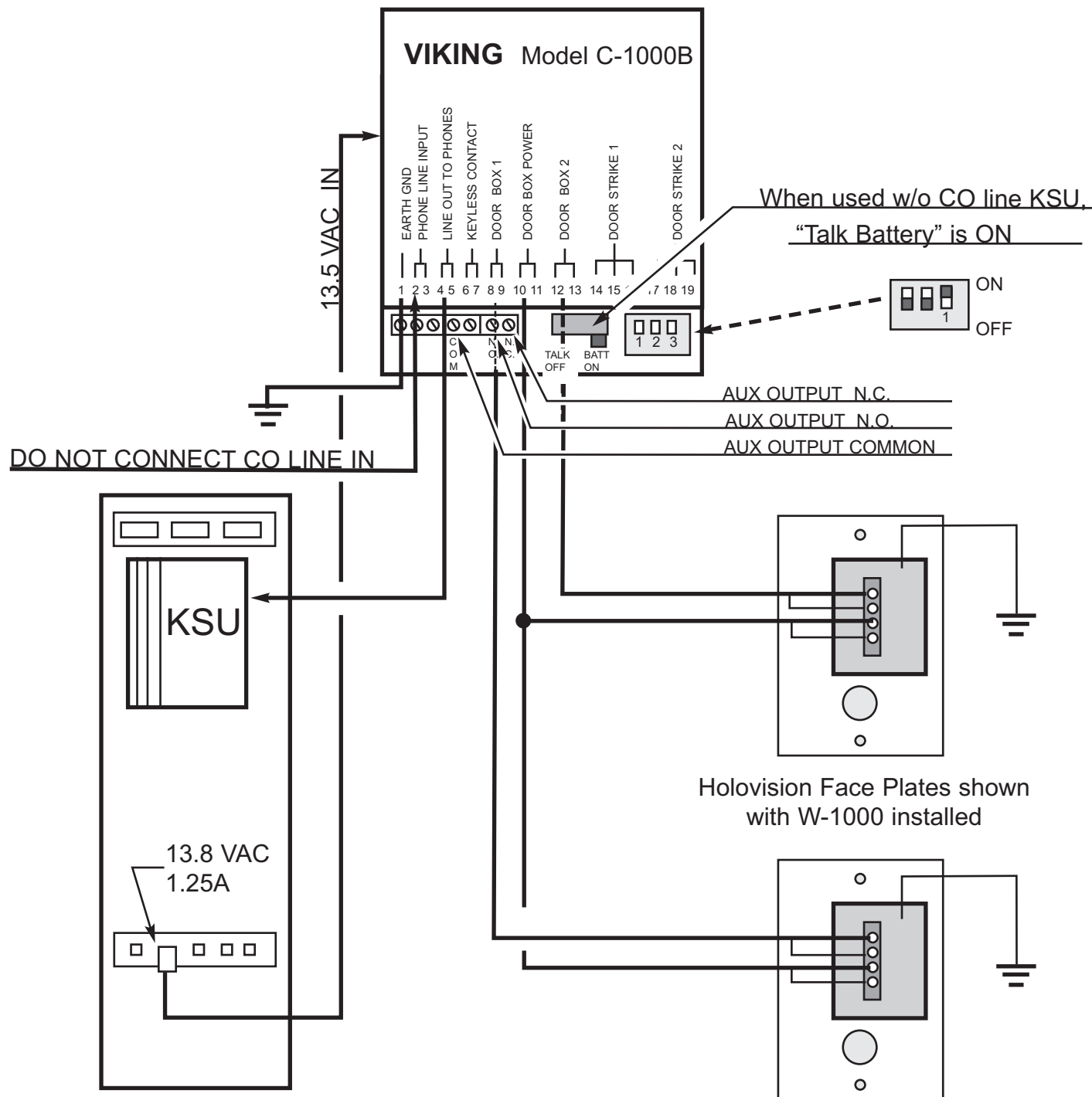
Ph. 714-434-6904
Fax 800-362-0002

HOLOVISION

NOTE: See "Doorphone Adjustments and Programming" for volume adjustments and DIP switch settings.

Viking W-1000 Wiring

Wiring 2 Doorboxes into Unused CO Port on KSU

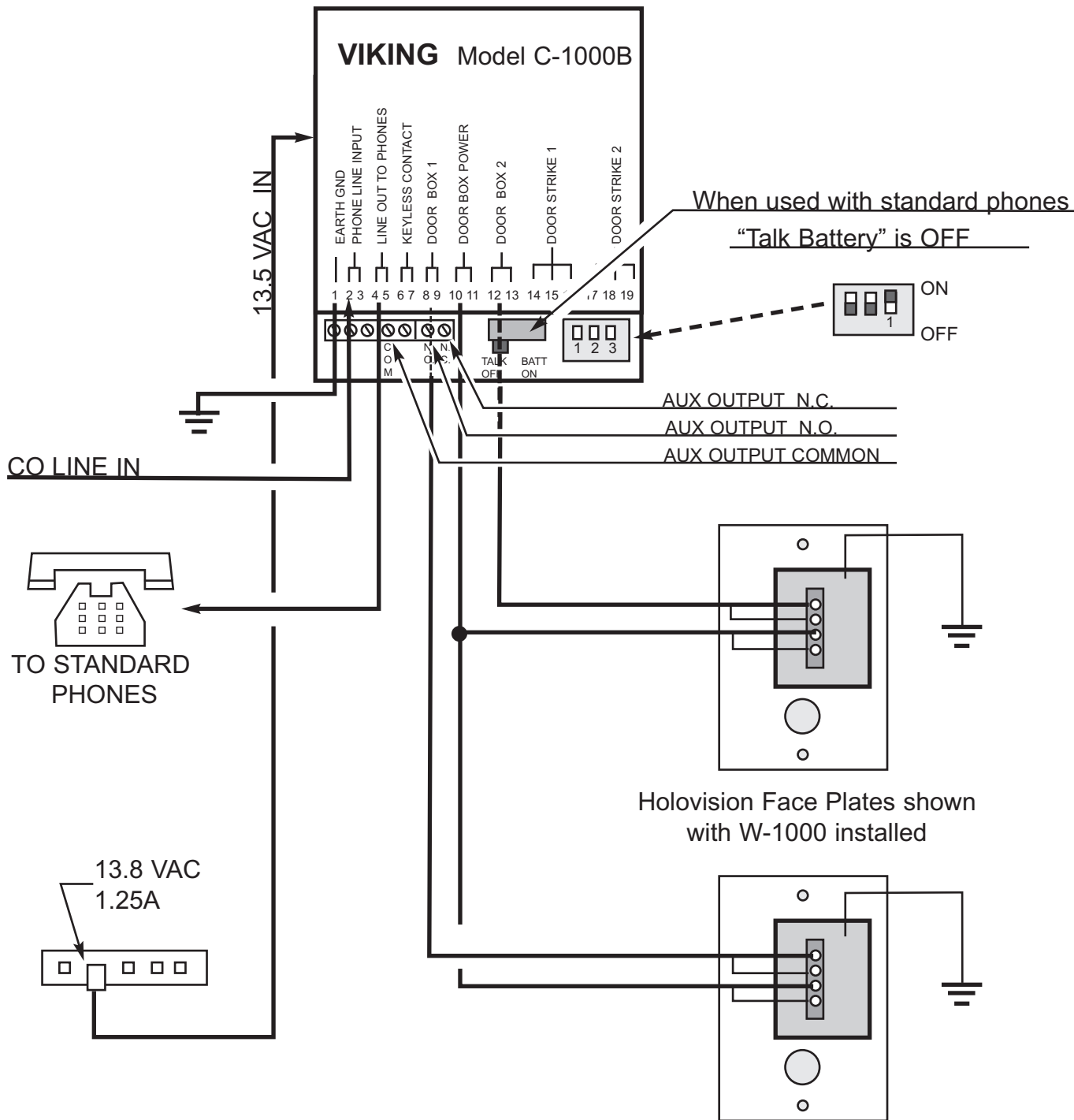


NOTE: See "Doorphone Adjustments and Programming" for volume adjustments and DIP switch settings on the doorphone.

See "C-1000B Adjustments and Programming" for settings on the doorphone controller

Viking W-1000 Wiring

Wiring Using Standard Phones - Doorboxes Share CO Line with Phones

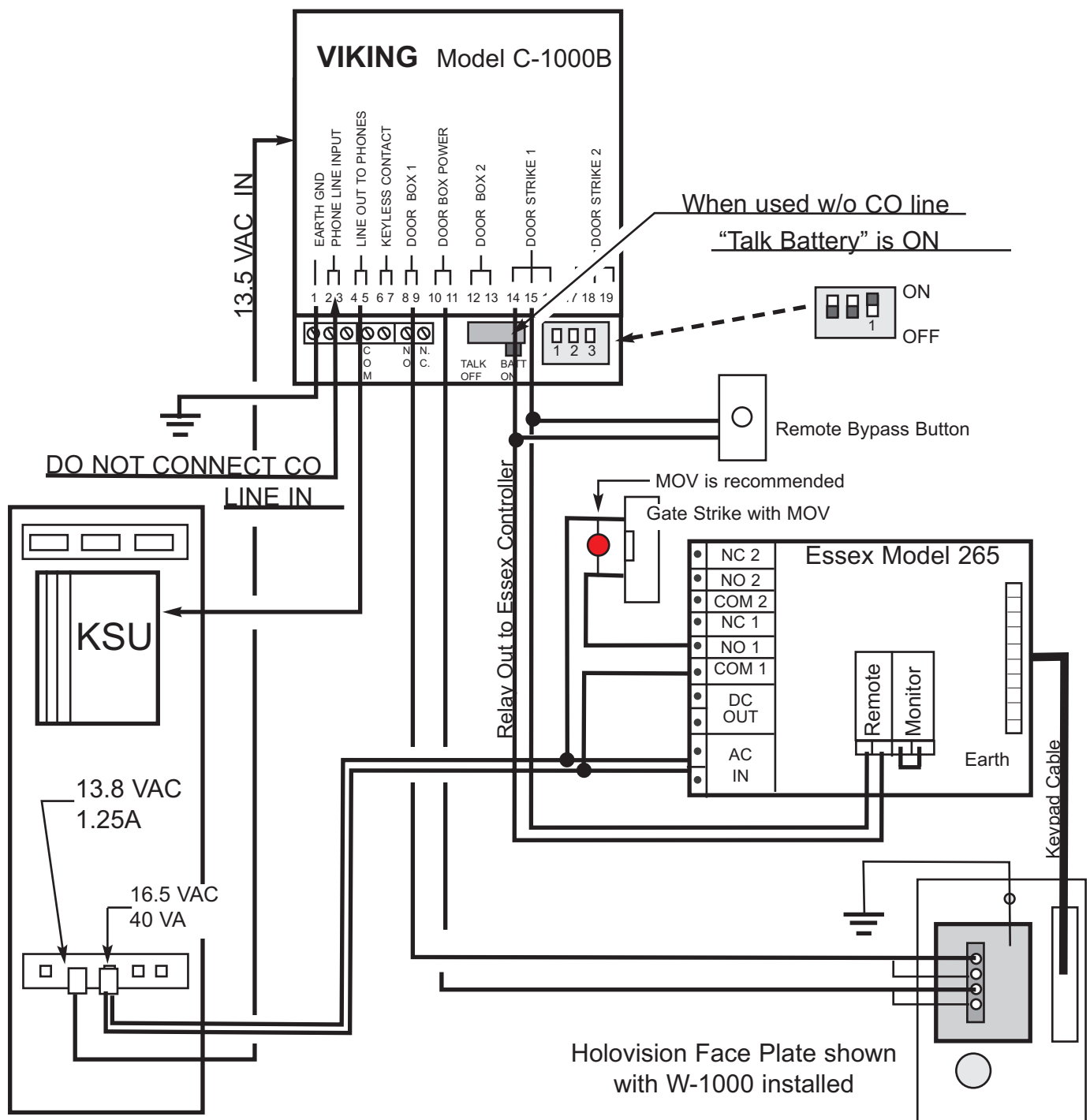


NOTE: See "Doorphone Adjustments and Programming" for volume adjustments and DIP switch settings on the doorphone.

See "C-1000B Adjustments and Programming" for settings on the doorphone controller

Viking W-1000 Wiring

Wiring into Unused CO Port on KSU - with Essex Gate Control System -
AC Out For Strike

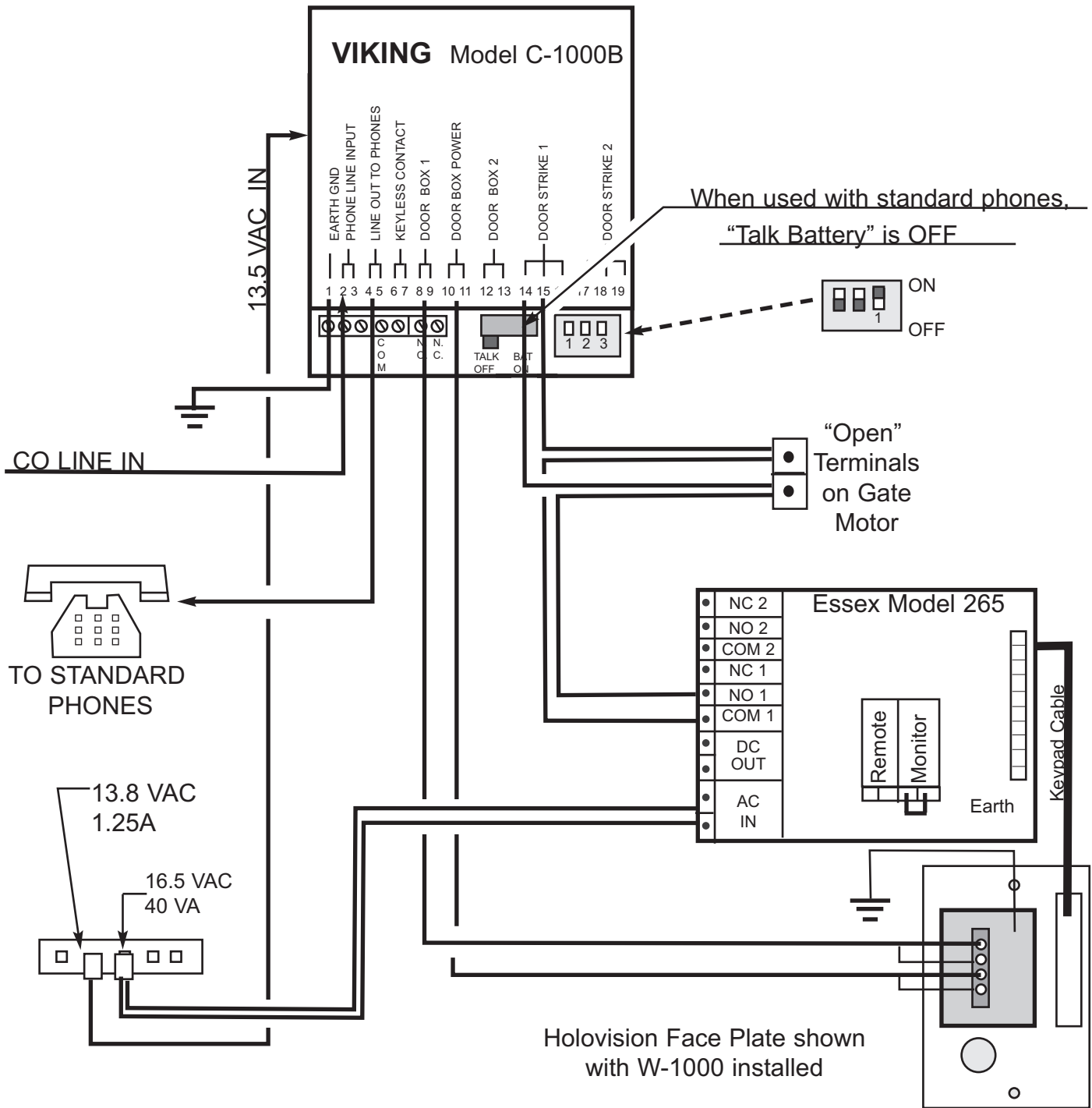


NOTE 1: Remove the jumper wire & MOVs from left side terminal strip. Wire right side terminal strip "color for color".

NOTE 2: MOV (metal oxide varistor) is the small red component which is included. Its purpose is to absorb "inductive kick back" which can be created when power is removed from the strike.

Viking W-1000 Wiring

Wiring Using Standard Phones - with Essex Gate Control System - Contact Closure for Gate Operation



Doorphone Adjustments and Programming

Microphone Volume

In certain noisy locations (traffic or wind), the microphone volume may need to be decreased. A symptom of this is one-way talk path, in which the distant party cannot be heard over the speaker. A **"MIC VOL"** adjustment is provided on the doorphone for increasing or decreasing the microphone volume.

Speaker Volume

The **"SPKR VOL"** pot can be adjusted to increase or decrease the speaker volume to the desired level.

Maximum Number of Rings

The **"maximum number of rings can be adjusted using the DIP switches.**

Sw 1	Sw 2	Max Rings
OFF	OFF	2
ON	OFF	3
OFF	ON	10
ON	ON	30

Access Programming Mode (Local Access)

Step	Action
1	Disconnect the PHONE LINE INPUT.
2	Slide the TALK BATTERY switch to the ON position.
3	Move DIP SWITCH 2 from OFF to ON.
4	Connect a phone to terminals 4 & 5 - LINE OUT TO PHONES.
5	Pick up the phone (you will hear a double beep - indicating that you have accessed the PROGRAMMING MODE).
6	You can now Touch Tone program the features listed below

Program Gate Strike Relays

Step	Action
1	Make sure C-1000B is in Programmin Mode - See above
2	Program Strike 1 activation time as follows:
3	Enter time (seconds) followed by #01
4	Program Strike 2 activation time as follows:
5	Enter time (seconds) followed by #02 EXAMPLE: 05#01 programs Strike 1 for 5 seoncds 03#02 programs Strike 2 for 3 seconds

NOTE: Entering a time "00" sets time = 1/2 second Maximum time through programming = 9 seconds

C-1000B Door Controller Programming

Program Auxilliary Contacts*

Step	Action
1	Make sure C-1000B is in Programmin Mode - See Page 8
2	Program Aux Contact activation time as follows:
3	Enter time (seconds) follwed by #03 EXAMPLE: 01#03 programs Aux Contact for 1 seoncd.

NOTE: Entering a time "00" sets time = 1/2 second

*In this mode, Auxiliary contacts can be activated (closed) whenever Doorbox 1 or Doorbox 2 is activated. See page 2 or 6 of this document for the location of the terminals on the C-1000B

The steps above are for "timed activations" (0.5 to 10 seconds). See page 8 (Section 6) of the C-1000B manual for a description of other Auxiliary Contact Modes.

Return to normal use mode

Step	Action
1	Slide the TALK BATTERY switch to the OFF position.
2	Move DIP SWITCH 2 from ON to OFF.
3	Re-connect the PHONE LINE INPUT and LINE OUT TO PHONES.

ADDITIONAL C-1000B MODES:

Doorbell Mode- phones will not ring when doorbell is pushed. This is useful when conventional door chimes are desired. In order to use this feature, the Auxiliary Contacts must be programmed. (see above)

Custom Ring Mode - Distinguishes doorbox ring from CO ring when connected to KSU.

CCTV Video Control Mode - The C-1000B can switch 2 CCTV cameras, displaying the camera at the doorbox which initiates the call. This mode cannot be used when the "Auxiliary Contacts" are being used.

REFER TO C-1000B MANUAL FOR MORE INFORMATION ON THESE, AND OTHER MODES OF OPERATION.

Viking Operation

OPERATION

ANSWER A CALL FROM DOORBOX

When the phones ring, pick up a phone to be connected to the visitor.

When the C-1000B controller is used, you will hear a beep tone when the phone is answered - one beep for doorbox 1, and 2 beeps for doorbox 2.

PLACING CO LINE CALLS ON HOLD (CALL WAITING)

If a phone call is in progress, and a door box is activated, a single or double "call waiting" tone will be heard. To place the call in progress on hold and speak to the visitor, push #. When you want to return to the original phone call, push #.

ACTIVATING A DOORSTRIKE OR OPENING A GATE

To open the gate, you must first be connected to the doorbox.

Push **. You will then hear a confirmation tone, and the relay will be activated for the programmed time. If a call was already in progress, pressing ** will open the gate, and return the system to the original phone call.

LATCH / UNLATCH A GATE

To use this feature, you must first be connected to the doorbox.

Latch relay 1 or 2 *1

Unlatch relay 1 or 2 * 0

Set Essex Relay Options

GOAL: To use jumper pins on circuit board to configure standard relay options. In this configuration, Codes 1 and 2 operate Relay 1. Codes 3, 4, 5 operate Relay 2.

Step	Action			
1	Relay 1 and 2 activate. Only Relay 1 latch*			
Code	Relay 1		Relay 2	
	Open	Latch	Open	Latch
Master Code	No	No	No	No
Code 1,2	Yes	Yes	No	No
Code 3, 4, 5	No	No	Yes	No

Step	Action			
2	Relay 1 and 2 activate and latch*			
Code	Relay 1		Relay 2	
	Open	Latch	Open	Latch
Master Code	No	No	No	No
Code 1,2	Yes	Yes	No	No
Code 3, 4, 5	No	No	Yes	Yes

***LATCHING RELAY:** In order to latch either relay, simply enter the code, followed by "7". Repeat (code, 7) in order to unlatch the relay.

The top example would be used where the driveway gate was connected to Relay 1 (and could be locked open), and the pedestrian gate was connected to Relay 2. (No latching possible).

Programming of Essex Keypad

GOAL: Set-up master and user codes

Set Master Code

Step	Action
1	Press "Program" switch once. (keypad will beep 4 times)
2	Once "Program" switch is pressed, you have 2 minutes to complete Step 5.
3	Press "1119". (you will hear 3 beeps)
4	Step 5 must be completed within 5 seconds of Step 3.
5	Enter "Master Code" *
6	Wait 5 seconds for 3 beeps to confirm new "Master Code".

Set User Code 1

Step	Action
1	Enter "Master Code"
2	Enter 111 (3 beeps).
3	Enter User Code 1.
4	Wait 5 seconds for 3 reset beeps.

Set User Code 2

Step	Action
1	Enter "Master Code"
2	Enter 113 (3 beeps).
3	Enter User Code 2.
4	Wait 5 seconds for 3 reset beeps.

* MASTER CODE: The default Master Code is 13579. This should be replaced by a unique code to be used only by your company. The Master Code can be 3 to 8 digits long.

Set User Code 3

Step	Action
1	Enter "Master Code".
2	Enter 115 (3 beeps).
3	Enter User Code 3.
4	Wait 5 seconds for 3 reset beeps.

Programming of Essex Keypad

Set User Code 4

Step	Action
1	Enter "Master Code".
2	Enter 117 (3 beeps).
3	Enter User Code 4.
4	Wait 5 seconds for 3 reset beeps.

Set User Code 5

Step	Action
1	Enter "Master Code".
2	Enter 119 (3 beeps).
3	Enter User Code 5.
4	Wait 5 seconds for 3 reset beeps.

Delete Any Code

Step	Action
1	Enter Master Code .
2	Enter address of code to be deleted (111, 113, etc.).
3	Do not enter any code until you hear 3 reset beeps.
4	Wait 5 seconds for 3 reset beeps.

Note: User codes can be 3 to 8 digits

Latch a Relay

Step	Action
1	Enter any User Code (1 -5).
2	Enter "7". This will cause the relay to latch (subject to the jumper pin settings - see Page 5).
3	To unlatch the relay, re-enter the user Code, followed by "7".

Programming of Essex Keypad

Set Activation Time Of Relay 1 (User codes 1 & 2 - see note below)

Step	Action
1	Press "Program" switch (keypad will beep 4 times).
2	Enter 1117 (3 beeps).
3	Enter 1 for every 1 second latch time, and 5 for every 5 seconds. Examples: 6 seconds = 5, 1 8 seconds = 5, 1, 1, 1 12 seconds = 5, 5, 1, 1
4	Wait 5 seconds for 4 reset beeps.

Set Activation Time Of Relay 2 (User codes 3, 4 & 5 - see note below)

Step	Action
1	Press "Program" switch (keypad will beep 4 times).
2	Enter 1115 (3 beeps).
3	Enter 1 for every 1 second latch time, and 5 for every 5 seconds. Examples: 6 seconds = 5, 1 8 seconds = 5, 1, 1, 1 12 seconds = 5, 5, 1, 1
4	Wait 5 seconds for 4 reset beeps.

Note: The above 2 steps are actually setting the activation times for user code 1, 2 and user code 3, 4, 5. Using the jumper pin setting as shown in "Set Essex Relay Options", this will set activation time of Relays 1 & 2.